2024 national curriculum tests

Key stage 1

Mathematics

Paper 2: reasoning

First name	
Middle name	
Last name	

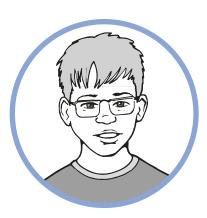
Total marks



Ajay



Amy



Ben



Kemi



Sam



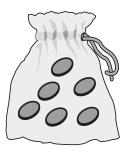
Sita

Practice question









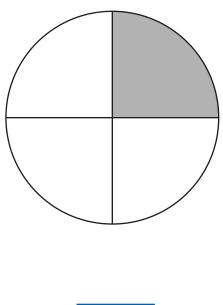
tens



2

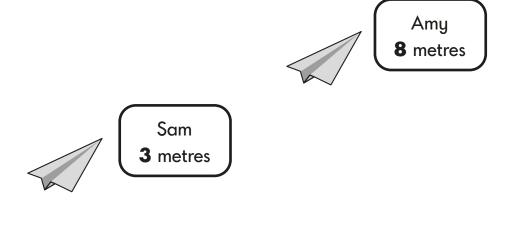
August							
Sun	Mon	Tues	Wed	Thurs	Fri	Sat	
				1	2	3	
4	5	6	7	8	9	10	
11	12	13	14	15	16	17	
18	19	20	21	22	23	24	
25	26	27	28	29	30	31	









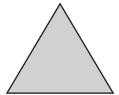


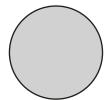
metres

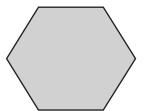


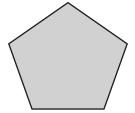


Tick the shape she has drawn.











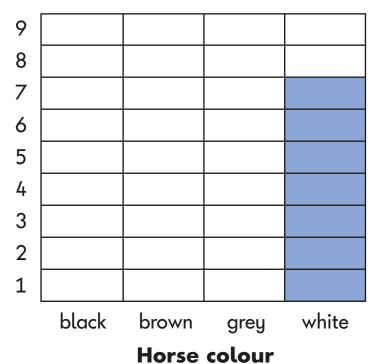
This table shows the different colours of horses on a farm.

Horse colour	Number of horses		
black	2		
brown	0		
grey	4		
white	7		

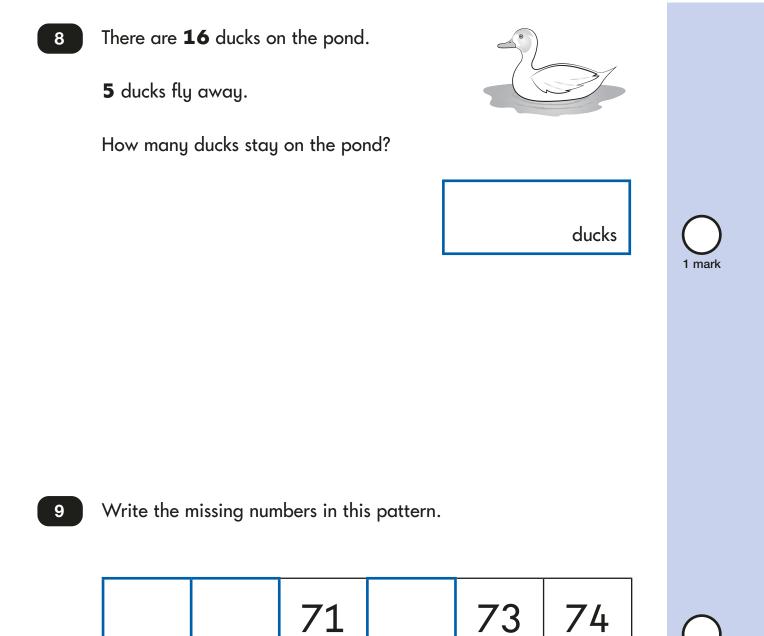
Use the table to complete the graph below.

One is done for you.









10 Here is a shape pattern.

Shade the **last two** boxes to complete the pattern.



















11 Sam has **90** marbles.

He gives **50** marbles to Ben.

How many marbles does Sam have left?

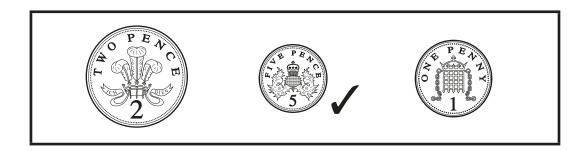
marbles

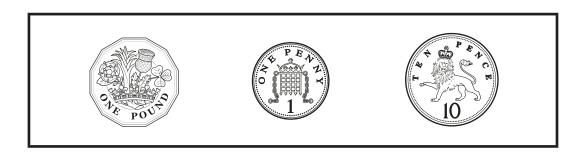


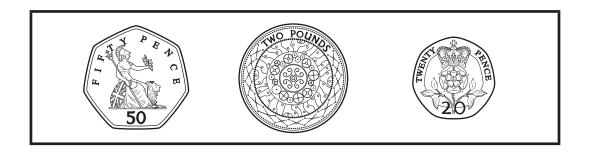
12

In each box, tick the coin that has the **greatest value**.

One is done for you.

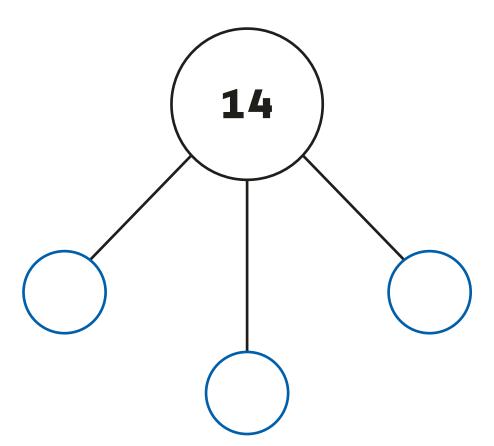






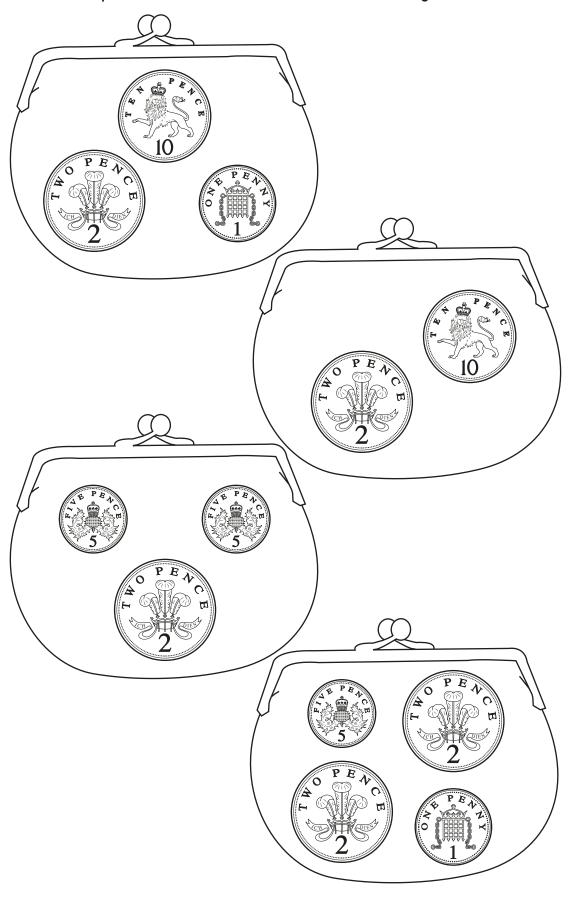


Write a number in each empty circle so that all three numbers total ${f 14}$





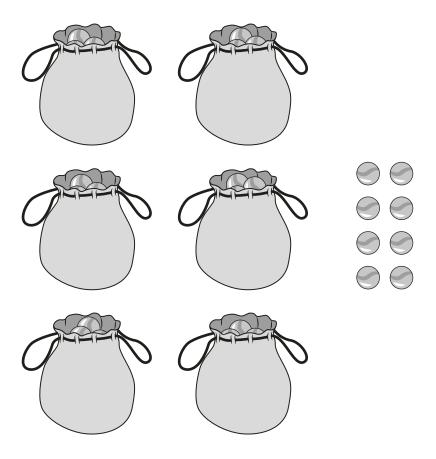
Tick **two** purses with the **same** amount of money.





Ajay has some marbles.

He puts 10 marbles into each bag. He has 8 left over.



How many marbles does Ajay have **altogether**?

marbles







17 Ajay had 18 strawberries.

He picked some **more**.



Ajay now has 24 strawberries.

How many **more** strawberries did he pick?

strawberries



One calculation does not equal 17

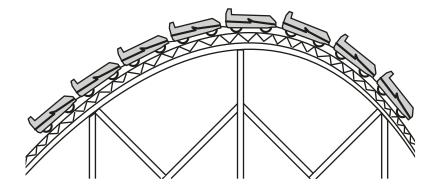
Cross it out.

$$8 + 9$$

$$20 - 3$$

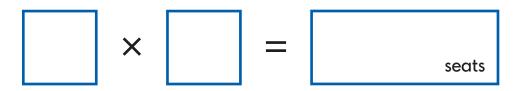
$$3 - 20$$





There are **5** seats in each car.

Complete the number sentence to show the **total** number of seats on the ride.



The diagram below shows number bonds that make 20

Write the missing numbers to complete the diagram.

One is done for you.

20					
6	14				
9					
12					



17 27 37

Circle **all** the numbers below that will be in the pattern.

57

66

75



Stickers are sold in packs of ${\bf 5}$

Kemi has **30** stickers altogether.

How many packs does Kemi have?

packs

O 1 mark

23 Amy has **45p**.





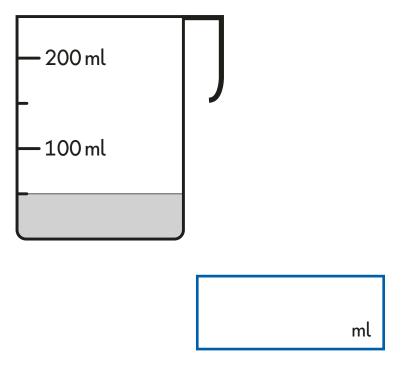


A badge costs **10p**.

What is the **total** number of badges that Amy can buy with 45p?

badges







$$50 + 50$$

$$80 + 30$$

$$75 + 15$$

$$35 + 65$$



Three of the shapes below have a line of symmetry.

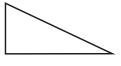
Tick the **three** shapes.



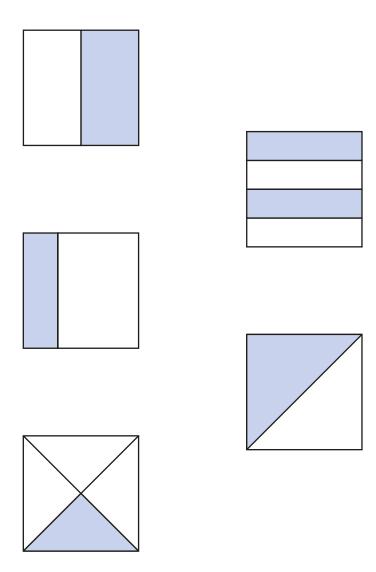














Only **one** number sentence is correct.

Circle it.

$$\frac{1}{4}=\frac{1}{2}$$

$$\frac{2}{4} = \frac{1}{3}$$

$$\frac{3}{4} = \frac{1}{2}$$

$$\frac{2}{4}=\frac{1}{2}$$



29

Complete the number sentence.

One is done for you.

$$\frac{1}{4}$$
 of $8 = 2$

$$\frac{3}{4}$$
 of 8 =



30

Sita only puts **5p** coins in a bag.

There is a **total of £1** in the bag.



How many 5p coins are in the bag?





There are **30** animals on a farm.

 $\frac{1}{2}$ of the animals are cows.



9 are sheep.



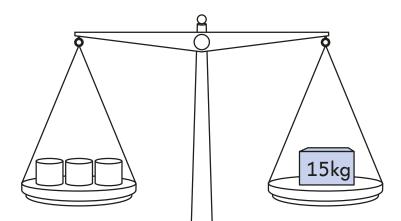
The rest are horses.



How many of the animals are horses?







The mass of the is 15 kg.

What is the mass of **one** ?





Sita buys a drink that costs 65p.

She pays with **four** 20p coins.

How much **change** does Sita get?







End of test

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2024 key stage 1 mathematics

Paper 2: reasoning

Print version product code: STA/24/8808/p ISBN: 978-1-83507-004-8

Electronic PDF version product code: STA/24/8808/e ISBN: 978-1-83507-023-9

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